

## EAST Search History

| Ref # | Hits     | Search Query   | DBs   | Default Operator | Plurals | Time Stamp          |
|-------|----------|--|---|------------------|---------|---------------------|
| S7    | 2        | ((MASAYUKI) near2 (TSUMURA)).INV.  | US-PGRUB;<br>USPAT  | ADJ              | ON      | 2009/06/29<br>20:14 |
| S8    | 229      | ((display or "OSD" or (on \$1screen near3 display)) and (phase near3 (noise or error or jitter)) and (carrier\$1to \$1noise ratio or CNR or C/N) | US-PGRUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | ADJ              | ON      | 2009/06/29<br>20:27 |
| S9    | 25917759 | @ad<="20021126"  | US-PGRUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | ADJ              | ON      | 2009/06/29<br>20:28 |
| S10   | 129      | S8 and S9  | US-PGRUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | ADJ              | ON      | 2009/06/29<br>20:28 |
| S11   | 376436   | sony   | US-PGRUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | ADJ              | ON      | 2009/06/29<br>20:48 |
| S12   | 1393     | ((display or "OSD" or (on \$1screen near3 display)) same (phase near3 (noise or error or jitter))  | US-PGRUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | ADJ              | ON      | 2009/06/29<br>20:48 |
| S13   | 21878    | (carrier\$1to\$1noise ratio or CNR or C/N)   | US-PGRUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | ADJ              | ON      | 2009/06/29<br>20:48 |
| S14   | 146      | (carrier\$1to\$1noise ratio or CNR or C/N) and (numeric near3 (value or number))   | US-PGRUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | ADJ              | ON      | 2009/06/29<br>20:49 |
| S15   | 17       | S12 and S13  | US-PGRUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | ADJ              | ON      | 2009/06/29<br>20:49 |

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| S17 | 48  | S11 and S12   | US-PGRUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2009/06/29<br>20:54 |
| S18 | 36  | S9 and S17  | US-PGRUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2009/06/29<br>20:54 |
| S19 | 14  | display same ( (phase near3 (noise or error or jitter)) and (carrier\$1to\$1noise ratio or CNR or C/N))                                     | US-PGRUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2009/06/29<br>21:10 |
| S20 | 205 | (digital near3 broadcast\$4) and ( (phase near3 (noise or error or jitter)) and (carrier \$1to\$1noise ratio or CNR or C/N))                | US-PGRUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2009/06/29<br>21:12 |
| S21 | 111 | S9 and S20  | US-PGRUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2009/06/29<br>21:12 |
| S22 | 10  | display same ( (phase near3 (noise or error or jitter)) and (carrier\$1to\$1noise ratio or CNR or C/N)) and amplitude                       | US-PGRUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2009/06/29<br>21:13 |
| S23 | 99  | (digital near3 broadcast\$4) and ( (phase near3 (noise or error or jitter)) and (carrier \$1to\$1noise ratio or CNR or C/N)) and display\$4 | US-PGRUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2009/06/29<br>21:14 |
| S24 | 52  | S9 and S23  | US-PGRUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2009/06/29<br>21:14 |
| S26 | 42  | raiza   | US-PGRUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2009/06/29<br>22:38 |

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| S27 | 6     | (spectrum near3 analyz\$4) and display\$4 same ( (phase near3 (noise or error or jitter)) and (carrier\$1to\$1noise ratio or CNR or C/N)) | US-PGRUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2009/06/29<br>22:39 |
| S28 | 18    | display\$4 same ( (phase near3 (noise or error or jitter)) and (carrier\$1to\$1noise ratio or CNR or C/N))                                | US-PGRUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2009/06/29<br>22:40 |
| S29 | 966   | display\$4 same (phase near3 (noise or error or jitter)) and amplitude  | US-PGRUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2009/06/29<br>22:42 |
| S30 | 9     | display\$4 same (phase near3 (noise or error or jitter)) and amplitude and (numeric near3 value)  | US-PGRUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2009/06/29<br>22:43 |
| S31 | 117   | display\$4 and (in\$1phase and quadrature) and amplitude and (carrier\$1to\$1noise ratio or CNR or C/N)                                   | US-PGRUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2009/06/29<br>22:56 |
| S32 | 55    | S9 and S31  | US-PGRUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2009/06/29<br>22:57 |
| S34 | 12701 | tektronix   | US-PGRUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2009/06/29<br>23:09 |
| S35 | 0     | (alarm near3 indicat\$4) and user\$1 and (in\$1phase and quadrature) and amplitude and (carrier\$1to\$1noise ratio or CNR or C/N)         | US-PGRUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2009/06/29<br>23:10 |
| S36 | 1     | alarm and user\$1 and (in\$1phase and quadrature) and amplitude and (carrier\$1to\$1noise ratio or CNR or C/N)                            | US-PGRUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2009/06/29<br>23:11 |

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| S39 | 0   | (alarm near3 (indicat\$4or message)) and user\$1 and (in\$1phase and quadrature) and amplitude and (carrier \$1to\$1noise ratio or CNR or C/N) | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2009/06/29<br>23:14 |
| S40 | 191 | user\$1 and (in\$1phase and quadrature) and amplitude and (carrier\$1to\$1noise ratio or CNR or C/N)   | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2009/06/29<br>23:16 |
| S41 | 1   | S34 and S40  | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2009/06/29<br>23:16 |
| S42 | 0   | (alarm near3 (indicat\$4or message)) and (in\$1phase and quadrature) and amplitude and (carrier\$1to \$1noise ratio or CNR or C/N)             | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2009/06/29<br>23:17 |
| S43 | 0   | (alarm with (indicat\$4or message)) and (in\$1phase and quadrature) and amplitude and (carrier\$1to \$1noise ratio or CNR or C/N)              | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2009/06/29<br>23:17 |
| S44 | 0   | (alarm with (indicat\$4or messag\$4)) and (in\$1phase and quadrature) and amplitude and (carrier\$1to \$1noise ratio or CNR or C/N)            | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2009/06/29<br>23:17 |
| S45 | 8   | (alarm or warning with (indicat\$4or messag\$4)) and (in\$1phase and quadrature) and amplitude and (carrier \$1to\$1noise ratio or CNR or C/N) | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2009/06/29<br>23:18 |
| S46 | 191 | user\$2 and (in\$1phase and quadrature) and amplitude and (carrier\$1to\$1noise ratio or CNR or C/N)   | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2009/06/29<br>23:19 |
| S47 | 99  | S9 and S46   | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2009/06/29<br>23:19 |

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| S48 | 0     | (alarm\$4 with (indicat\$4or messag\$4)) and (in\$1phase and quadrature) and amplitude and (carrier\$1to \$1noise ratio or CNR or C/N)            | US-PGRUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2009/06/29<br>23:27 |
| S49 | 8     | (alarm\$4 or warning with (indicat\$4or messag\$4)) and (in\$1phase and quadrature) and amplitude and (carrier \$1to\$1noise ratio or CNR or C/N) | US-PGRUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2009/06/29<br>23:27 |
| S50 | 57    | user\$2 and (in\$1phase and quadrature) and amplitude and (carrier\$1to\$1noise ratio or CNR or C/N) and message                                  | US-PGRUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2009/06/29<br>23:28 |
| S51 | 41    | S9 and S50  | US-PGRUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2009/06/29<br>23:28 |
| S52 | 17600 | digital broadcasting  | US-PGRUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2009/06/29<br>23:30 |
| S53 | 58    | user\$2 and (in\$1phase and quadrature) and amplitude and (carrier\$1to\$1noise ratio or CNR or C/N) and (message or warning or alarm)            | US-PGRUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2009/06/29<br>23:31 |
| S54 | 3     | S52 and S53   | US-PGRUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2009/06/29<br>23:31 |
| S55 | 76    | (in\$1phase and quadrature) and amplitude and (carrier \$1to\$1noise ratio or CNR or C/N) and (message or warning or alarm)                       | US-PGRUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2009/06/29<br>23:32 |
| S56 | 3     | S52 and S55   | US-PGRUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2009/06/29<br>23:32 |

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| S57 | 0    | S34 and S55  | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2009/06/29<br>23:32 |
| S58 | 0    | (in\$1phase and quadrature)<br>and amplitudeand (message<br>or warning or alarm)   | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2009/06/29<br>23:33 |
| S59 | 3662 | (in\$1phase and quadrature)<br>and amplitude and (message<br>or warning or alarm)  | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2009/06/29<br>23:33 |
| S60 | 2505 | (in\$1phase and quadrature)<br>and amplitude and (message<br>or warning or alarm) and<br>user\$4   | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2009/06/29<br>23:33 |
| S61 | 75   | S52 and S60  | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2009/06/29<br>23:33 |
| S62 | 37   | S61 and S9   | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2009/06/29<br>23:33 |
| S63 | 72   | (in\$1phase and quadrature)<br>and (carrier\$1to\$1noise ratio<br>or CNR or C/N) and<br>(message or warning or<br>alarm) and user\$4                         | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2009/06/29<br>23:36 |
| S64 | 51   | S63 and S9   | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2009/06/29<br>23:36 |
| S65 | 12   | (in\$1phase and quadrature)<br>and (carrier\$1to\$1noise ratio<br>or CNR or C/N) and<br>(message or warning or<br>alarm) and (predetermin\$4<br>near3 value) | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2009/06/29<br>23:39 |

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| S66 | 180 | alarm and user\$1 and (carrier<br>\$1to\$1noise ratio or CNR or<br>C/N) | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2009/06/29<br>23:40 |
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**6/30/2009 10:59:07 AM****C:\Documents and Settings\rguarino\My Documents\EAST\Workspaces\10533630-final.wsp**